

Assignment 3 – Favorite List by using AsyncStorage

Instructions

In this assignment, you will be extending the router to support the ability to save and retrieve a list of favorite art tools by each of the users. They should have the ability to save any art tools as their favorite art tools, retrieve all their favorite art tools and remove one or all their favorite art tools.

Assignment Overview

At the end of this assignment, you should have completed the following:

- Create a resource to mockapi.io tool which stores the data of art tools.
- Allowed users to select a art tool and add it to the list of favorites that are saved on their devices.
- Allowed users to retrieve the list of their favorite art tools from the Favorites List screen.
- Delete one or all their favorite art tools from their Favorites List on devices.
- The data of art tools come from the mockapi.io tool.
- Screens must be switched back and forth quickly.

Assignment Requirements

In this assignment, you will be supporting the public screens where the users can view all the Art tools by Brand and the detail of art tool. The users can retrieve their favorite art tools, search the . They can add a list of art tools to their favorites and delete (all) the art tool(s). The data was declared as an array of objects. Each item contains a name representing the item's name, image of item and a unique id.

This assignment consists of the following three tasks:

Task 1

In this task you will implement the screens such as: the Homepage, Detail, Favorites List. Using some components that support to your screens such as: FlatList, Images, Pressable, [React Navigation](#) (Native Stack, Drawer, Bottom Tabs, ...), React Native UI Components (React Native Elements, Native Base, React Native Paper, NativeWind...), React Hook...

The data of Home and Detail screen come from the mockapi.io tool. The Home screen will show all the art tools which belong to their brand (filter art tools by press on a brand at this screen), the data includes: artName, price, limitedTimeDeal. You must make stand out to the value of limitedTimeDeal (showing the percent value) and the state of favorite (can be an icon). Using the Bottom Tabs to switch 02 screens: the Home and screen. Design and arrange this component as good as possible.

The Favorites list will be implemented by [AsyncStorage](#).

Task 2

On the Detail screen, you should display all the information about the art tool. Jump to the area of feedback, The number of ratings is displayed in star form, the comments are clearly displayed. Ratings are grouped by value so users can quickly refer to them.

Task 3

In this task, you will implement the add to favorite list function such that you support retrieve, create and delete operations. The users can:

- Add/Remove a art tool to favorite list from the Home and Detail Screen if the art tool does not already exist in the list of favorites.
- Search the art tools.
- Show all the art tools which were added to favorite list from the Favorites List screen.

Task 4

Each screen can be switched back and forth quickly.

UI/UX design looks attractive and truly native.

Side effects were adapted fully and reasonably for all screens.

The data for referenced which stores to mockapi.io tool

```
[
  {
    "id": "1",
    "artName": "3D Fabric Paint, Glow in the Dark A402",
    "price": 5,
    "description": "Puffy Paint for Fabric - Create eye-catching, 3D designs with this bright and vibrant color.",
  }
]
```

```

    "glassSurface": true,
    "image": "https://m.media-amazon.com/images/I/61l8rKtZE0L._AC_SX679_.jpg",
    "brand": "Arteza",
    "limitedTimeDeal" : 0.27
  },
  {
    "id": "2",
    "artName": "Worldwide Neon Dimensional Fabric Paint Assortment",
    "price": 13,
    "description": "Brilliant colors, smart prices! Top-quality fabric paint at a budget price.",
    "glassSurface": false,
    "image": "https://m.media-amazon.com/images/I/71yL1rYRRGL._SX522_.jpg",
    "brand": "Color Splash",
    "limitedTimeDeal" : 0.18
  },
  {
    "id": "3",
    "artName": "Edding 4500 textile marker - set of 10 colors (basic)",
    "price": 29,
    "description": "De edding textielstiften en pennen zijn verkrijgbaar in 20 levendige kleuren; voor het tekenen van precieze lijnen,
    bekijk de edding 4600 textielstift.",
    "glassSurface": false,
    "image": "https://m.media-amazon.com/images/I/71iNvJ0u+7L._AC_SX679_.jpg",
    "brand": "Edding",
    "limitedTimeDeal" : 0
  },
  {
    "id": "4",
    "artName": "Real Brush Pens, Set of 12, Bright Tones",
    "price": 12,
    "description": "Self-Moistening and Self-Cleaning Flexible Nylon Bristles: You don't have to moisten or clean the bristles of our
    markers for artists after blending with other colors.",
    "glassSurface": true,
    "image": "https://cdn2.jomashop.com/media/catalog/product/g/u/gucci-ladies-gucci-bloom-edp-spray-1-oz-30-ml-8005610481081.jpg",
    "brand": "Arteza",
    "limitedTimeDeal" : 0.16
  },
  {
    "id": "5",
    "artName": "Watercolor Pencils, 72 Colored Drawing Pencils for Artists",
    "price": 40,
    "description": "Add Depth to Your Art with These Watercolor Pencils: With a dab of a wet brush, these watercolor pencils for artists
    allow you to blend, layer, and create unique effects that lend drama to artworks.",
    "glassSurface": false,
    "image": "https://m.media-amazon.com/images/I/81k7uavjV1L._AC_SX466_.jpg",
    "brand": "Arteza",
    "limitedTimeDeal" : 0
  },
  {
    "id": "6",
    "artName": "edding, textile pen 4600, round tip, 1 mm, red",
    "price": 2,
    "description": "Max. allowed washing temperature of the paint application: 60 °C.",
    "glassSurface": true,
    "image": "https://m.media-amazon.com/images/I/41apzbsl-LL._AC_SX679_.jpg",
    "brand": "Edding",
    "limitedTimeDeal" : 0
  },
  {
    "id": "7",
    "artName": "Watercolor Brush Markers, 36 Piece, Multicolor, 410-36",
    "price": 45,
    "description": "HAVE FUN: Pinpoint precision control, so you can create washes, gradients, shading effects, and much more. Blend
    colors together to create variants of your own from light pastels to bold shades. Create with no worry or mess. Hassle-free free with
    no bleeding or smearing.",

```

```
"glassSurface": true,
"image": "https://cdn2.jomashop.com/media/catalog/product/cache/fde19e4197824625333be074956e7640/e/x/explorer-
mont-blanc-edp-spray-33-oz-100-ml-m-124069.jpg",
"brand": "KingArt",
"limitedTimeDeal" :0.3
},
{
  "id": "8",
  "artName": "Dual Tip Brush Pen Art Markers with Fineliner, Unique Colors, Set of 36",
  "price": 16,
  "description": "Ideal For Fine Art, Brush Lettering, Faux Calligraphy, Illustrations, Water Color Illustrations, Journaling And More!",
  "glassSurface": false,
  "image": "https://cdn2.jomashop.com/media/catalog/product/cache/fde19e4197824625333be074956e7640/t/i/tiziana-terenzi-
unisex-kirke-extrait-de-parfum-spray-338-oz-tester-fragrances-0908763216987.jpg",
  "brand": "KingArt",
  "limitedTimeDeal" :0.42
},
{
  "id": "9",
  "artName": "8-oz. Color Splash! Washable Glitter Paint Assortment (Pack of 8)",
  "price": 35,
  "description": "Brilliant colors, smart prices! Top-quality non-toxic washable glitter paint at a budget price.",
  "glassSurface": false,
  "image": "https://m.media-amazon.com/images/I/81xR31HH+ML._SX522_.jpg",
  "brand": "Color Splash",
  "limitedTimeDeal" : 0
}
]
```